

In the Claims:

Please amend claims 1, 6, 11, 18, 23 and 26. The status of the claims is as follows:

1. (Currently Amended) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a temperature sensor for detecting a temperature;

heating means for generating heat when said temperature sensor detects a temperature which is less than a predetermined first temperature;

a control circuit for controlling said heating means to generate heat when said temperature is less than said predetermined first temperature; and

an outline for housing at least said temperature sensor, said heating means and said control circuit, said outline having an aperture which is configured and adapted to be selectively opened and closed by said control circuit for controlling the temperature inside said outline.

2. (Original) A disk unit according to claim 1, wherein said disk unit further comprises a first motor for driving said disk, and said heating means includes means for heating by conducting a current through a fixed phase of said first motor.

3. (Original) A disk unit according to claim 1, wherein said disk unit further comprises a second motor for driving said arm, and said heating means includes means for heating by conducting through said second motor a current which is unnecessary for operation of said arm.

4. (Original) A disk unit according to claim 1, wherein said heating means includes a heater.

5. (Original) A disk unit according to claim 1, wherein said heating means includes a Peltier element.

6. (Currently Amended) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a temperature sensor for detecting a temperature;

a clock generating circuit for generating a plurality of sorts of operational clocks which are mutually different in frequency;

a control circuit for controlling an operation of said disk unit in such a manner that upon receipt of any one sort of operational clock from said clock generating circuit, a

processing is performed at a processing speed according to a frequency of the received operational clock, wherein said control circuit operates at a different operational clock in accordance with a temperature detected by said temperature sensor; and

an outline for housing at least said temperature sensor, said clock generating circuit and said control circuit, said outline having an aperture which is configured and adapted to be selectively opened and closed by said control circuit for controlling the temperature inside said outline.

7. (Original) A disk unit according to claim 1, wherein said disk unit further comprises a communication circuit for communication with a host, and when said temperature sensor detects a temperature which is less than the first temperature, said communication circuit informs the host that heating is performed.

8. (Previously Presented) A disk unit according to claim 1, wherein said control circuit controls an operation of said disk unit, and when said temperature sensor detects a temperature which is less than a predetermined second temperature lower than the first temperature, said control circuit stops the operation of said disk.

9. (Original) A disk unit according to claim 8, wherein said disk unit further comprises a communication circuit for communication with a host, and when said

temperature sensor detects a temperature which is less than the second temperature, said communication circuit informs the host that said disk unit is not operable.

10. (Original) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a temperature sensor for detecting a temperature;

a control circuit for controlling an operation of said disk unit; and

an outline having a door which opens and closes in accordance with a control,

wherein said control circuit causes said door to open when said temperature sensor detects a temperature which is less than a predetermined temperature.

11. (Currently Amended) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a temperature sensor for detecting a temperature; and

an access circuit for accessing said disk; and

an outline for housing at least said temperature sensor and said access circuit,  
said outline having an aperture which is configured and adapted to be selectively opened and  
closed by said access circuit for controlling the temperature inside said outline;

wherein said access circuit performs, when writing of data into said disk is performed in a case where said temperature sensor detects a temperature which is out of a predetermined temperature range, a writing confirmation operation for comparing written data with read data through reading data written into said disk.

12. (Original) A disk unit according to claim 11, wherein said access circuit again writes the written data into a same area on said disk and again reads the written data in a case where it is decided by the writing confirmation operation that the written data is not coincident with the read data, and said access circuit writes the written data into a different area on said disk in a case where it is again decided by the writing confirmation operation that the written data is not coincident with the read data.

13. (Previously Presented) A disk unit according to claim 1, further comprising:

heat generation suppressing means for suppressing generation of heat when said temperature sensor detects a temperature exceeding a predetermined third temperature higher than said predetermined first temperature.

14. (Original) A disk unit according to claim 13, wherein said heat generation suppressing means includes a Peltier element.

15. (Original) A disk unit according to claim 13, wherein said disk unit further comprises a communication circuit for communication with a host, and when said temperature sensor detects a temperature exceeding the third temperature, said communication circuit informs the host that generation of heat is suppressed.

16. (Previously Presented) A disk unit according to claim 1, wherein said control circuit controls an operation of said disk unit, and when said temperature sensor detects a temperature exceeding a predetermined fourth temperature which is higher than the third temperature, said control circuit stops the operation of said disk.

17. (Original) A disk unit according to claim 16, wherein said disk unit further comprises a communication circuit for communication with a host, and when said temperature sensor detects a temperature exceeding the fourth temperature, said communication circuit informs the host that said disk unit is not operable.

18. (Currently Amended) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to

the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a humidity sensor for detecting a humidity;

heating means for generating heat when said humidity sensor detects a humidity exceeding a predetermined humidity; and

a control circuit for controlling said heating means to generate heat when said temperature is less than said predetermined humidity; and

an outline for housing at least said humidity sensor, said heating means and said control circuit, said outline having an aperture which is configured and adapted to be selectively opened and closed by said control circuit for controlling the humidity inside said outline.

19. (Original) A disk unit according to claim 18, wherein said disk unit further comprises a first motor for driving said disk, and said heating means includes means for heating by conducting a current through a fixed phase of said first motor.

20. (Original) A disk unit according to claim 18, wherein said disk unit further comprises a second motor for driving said arm, and said heating means includes means for heating by conducting through said second motor a current which is unnecessary for operation of said arm, at time of stop of operation of said arm.

21. (Original) A disk unit according to claim 18, wherein said heating means includes a heater.

22. (Original) A disk unit according to claim 18, wherein said heating means includes a Peltier element.

23. (Currently Amended) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a humidity sensor for detecting a humidity;

a clock generating circuit for generating a plurality of sorts of operational clocks which are mutually different in frequency; and

a control circuit for controlling an operation of said disk unit in such a manner that upon receipt of any one sort of operational clock from said clock generating circuit, a processing is performed at a processing speed according to a frequency of the received operational clock, wherein said control circuit operates at a different operational clock in accordance with a humidity detected by said humidity sensor; and

an outline for housing at least said humidity sensor, said clock generating circuit and said control circuit, said outline having an aperture which is configured and



adapted to be selectively opened and closed by said control circuit for controlling the humidity inside said outline.

24. (Original) A disk unit according to claim 18, wherein said disk unit further comprises a communication circuit for communication with a host, and when said humidity sensor detects a humidity exceeding the predetermined humidity, said communication circuit informs the host that heating is performed.

25. (Original) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

- a humidity sensor for detecting a humidity;
- a control circuit for controlling an operation of said disk unit; and
- an outline having a door which opens and closes in accordance with a control,

wherein said control circuit causes said door to open when said humidity sensor detects a humidity exceeding a predetermined humidity.

26. (Currently Amended) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to

the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a humidity sensor for detecting a humidity; and

an access circuit for accessing said disk; and

an outline for housing at least said humidity sensor and said access circuit, said outline having an aperture which is configured and adapted to be selectively opened and closed by said access circuit for controlling the humidity inside said outline;

wherein said access circuit performs, when writing of data into said disk is performed in a case where said humidity sensor detects a humidity exceeding a predetermined humidity, a writing confirmation operation for comparing written data with read data through reading data written into said disk.

27... (Original) A disk unit according to claim 26, wherein said access circuit again writes the written data into a same area on said disk and again reads the written data in a case where it is decided by the writing confirmation operation that the written data is not coincident with the read data, and said access circuit writes the written data into a different area on said disk in a case where it is again decided by the writing confirmation operation that the written data is not coincident with the read data.

28. (Previously Presented) A disk unit in which an arm having a head on a top is actuated, while a disk is rotated, so that a position of the head is moved with respect to

the disk to perform write and read of data to and from the disk by the head, said disk unit comprising:

a double-structure outline having a top, a bottom, a first outline and a second outline surrounding said first outline; and

a dehumidifying agent provided in a space between the first outline and the second outline;

wherein said top and said bottom are in fluid communication via said space.

29. (Currently Amended) A disk unit according to claim 28, further including a heat-insulating body provided in said space between the first outline and the second outline.

30. (Canceled)

31. (Previously Presented) A disk unit according to claim 28, wherein each of the first outline and the second outline has an air vent, and said disk unit further comprises means for blocking or relatively lowering a flow of air in an area coupling the air vent of the first outline with the air vent of the second outline, of said space formed between the first outline and the second outline.

32-34. (Canceled)